

# 291D / 292D AUTOMATIC FLUSH BOLT INSTALLATION INSTRUCTIONS

## 291D



### PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLING

1. MORTISE THE INACTIVE DOOR USING HAGER TEMPLATE T-TA00170. REFER TO THIS TEMPLATE DURING THE INSTALLATION PROCESS.
2. INSTALL BOTH FLUSH BOLT HOUSINGS IN THE DOOR EDGE (DO NOT INSTALL SCREWS AT THIS TIME)
3. ADJUST THE TOP ROD SO THAT THE TOP OF THE BOLT SITS FLUSH WITH THE TOP OF THE DOOR WHEN IN THE RETRACTED POSITION. ADJUST THE BOTTOM ROD SO THAT THE TOP OF THE BOLT SITS FLUSH WITH THE BOTTOM OF THE DOOR WHEN IN THE RETRACTED POSITION.
4. SLIDE HEAD GUIDES OVER THE BOLTS AND ATTACH TO THE TOP AND BOTTOM DOOR EDGES USING #8 COMBO SCREWS.
5. INSTALL FACEPLATES OVER THE HOUSING BRACKETS AND FASTEN TO THE DOOR USING (2) 8-32 x 1/2" MACH SCREWS AND (2) #8 COMBO SCREWS.
6. INSTALL STRIKES.
7. HANG DOOR.
8. INSTALL ACTIVE DOOR STRIKE ON ACTIVE DOOR USING CENTERLINE OF THE FLUSH BOLT CAM AS A GUIDE (**NOTE:** SURFACE MOUNT THE STRIKE WHEN GAP BETWEEN THE DOORS IS 3/16"[4.7] OR GREATER. STRIKE CAN STILL BE USED IF GAP IS SMALLER THAN 3/16"[4.7], BUT THE STRIKE WILL HAVE TO BE MORTISED INTO THE ACTIVE DOOR EDGE.)

**NOTE 1:** INSTALL COORDINATOR BEFORE AUTOMATIC FLUSH BOLTS.

**NOTE 2:** BOLTS HAVE A MAX THROW OF 3/4"[19]. FIELD ADJUSTMENTS CAN BE MADE TO ALLOW THE BOLTS TO EXTEND A GREATER DISTANCE, BUT THE DOOR MUST BE TAKEN OFF THE HINGES TO MAKE ADJUSTMENTS TO THE BOTTOM FLUSH BOLT!

**NOTE 3:** OPTIONAL DUST PROOF STRIKE 280X MAY BE USED.

## 292D



1. MORTISE THE INACTIVE DOOR USING HAGER TEMPLATE T-TA00171. REFER TO THIS TEMPLATE DURING THE INSTALLATION PROCESS.
2. INSTALL BOTH FLUSH BOLT HOUSINGS IN THE DOOR EDGE (DO NOT INSTALL SCREWS AT THIS TIME.)
3. THREAD THE RODS INTO THE HOUSINGS THROUGH THE HOLE IN THE TOP/BOTTOM OF THE DOOR. THE ROD SHOULD ATTACH IN A CLOCKWISE MOTION. ADJUST THE TOP ROD SO THAT THE TOP OF THE BOLT SITS FLUSH WITH THE TOP OF THE DOOR WHEN IN THE RETRACTED POSITION. ADJUST THE BOTTOM ROD SO THAT THE TOP OF THE BOLT SITS FLUSH WITH THE BOTTOM OF THE DOOR WHEN IN THE RETRACTED POSITION.
4. INSTALL FACE PLATES OVER THE HOUSING BRACKETS AND FASTEN TO THE DOOR USING (4) #8 COMBO SCREWS.
5. SLIDE HEAD GUIDES OVER THE BOLTS AND INSTALL TO THE TOP AND BOTTOM OF THE DOOR.
6. INSTALL STRIKES.
7. HANG DOOR.
8. INSTALL ACTIVE DOOR STRIKE ON ACTIVE DOOR USING CENTERLINE OF THE FLUSH BOLT CAM AS A GUIDE (**NOTE:** NOT RECOMMENDED IF GAP BETWEEN THE TWO DOORS IS LESS THAN 3/16"[4.7])

**NOTE 1:** INSTALL COORDINATOR BEFORE AUTOMATIC FLUSH BOLTS

**NOTE 2:** BOLTS HAVE A MAX THROW OF 3/4"[19]. FIELD ADJUSTMENTS CAN BE MADE TO ALLOW THE BOLTS TO EXTEND A GREATER DISTANCE, BUT THE DOOR MUST BE TAKEN OFF THE HINGES TO MAKE ADJUSTMENTS TO THE BOTTOM FLUSH BOLT!

**NOTE 3:** OPTIONAL DUST PROOF STRIKE 280X MAY BE USED.

